

## **LISTING OF THE CLAIMS**

This listing of claims will replace the prior version of claims in the application.

What is claimed is:

1. (Original) A magnetic head supporting structure, comprising:
  - 2 a magnetic head support structure component having a surface with fewer than 40 inclusions having largest dimension between 0.5  $\mu\text{m}$  and 2  $\mu\text{m}$ , per square millimeter.
1. 2. (Original) A magnetic head supporting structure comprising:
  - 2 a magnetic head support structure component having a surface with fewer than 40 inclusions having hardness 4 or higher on Mohs' Scale and having largest dimension between 0.5  $\mu\text{m}$  and 2  $\mu\text{m}$ , per square millimeter.
1. 3. (Withdrawn) A magnetic head supporting structure comprising:
  - 2 a magnetic head support structure component comprising remelted metal.
1. 4. (Withdrawn) The magnetic head supporting structure of claim 3 wherein the component comprises a swage mount.
3. 5. (Withdrawn) The magnetic head supporting structure of claim 3 wherein the component comprises a magnetic head suspension spring.
1. 6. (Withdrawn) The magnetic head supporting structure of claim 3 wherein the component comprises a magnetic head actuator arm.

1           7. (Withdrawn) The magnetic head supporting structure of claim 3 having a surface  
2 with fewer than 40 inclusions having largest dimension between 0.5  $\mu\text{m}$  and 2  $\mu\text{m}$ , per square  
3 millimeter.

1           8. (Withdrawn) The magnetic head supporting structure of claim 3 having a surface  
2 with fewer than 40 inclusions having hardness 4 or higher on Mohs' Scale and having largest  
3 dimension between 0.5  $\mu\text{m}$  and 2  $\mu\text{m}$ , per square millimeter.

1           9. (Withdrawn) A magnetic recording head supporting structure comprising:  
2           a magnetic head support structure component having one or more regions subjected to  
3 plastic deformation during manufacture, at least one of said regions comprising remelted metal.

1           10. (Withdrawn) The magnetic head supporting structure of claim 9 having a surface  
2 in at least one of said regions having fewer than 40 inclusions having largest dimension between  
3 0.5  $\mu\text{m}$  and 2  $\mu\text{m}$ , per square millimeter.

1           11. (Withdrawn) The magnetic head supporting structure of claim 9 having a surface  
2 in at least one of said regions having fewer than 40 inclusions having hardness 4 or higher on  
3 Mohs' Scale and having largest dimension between 0.5  $\mu\text{m}$  and 2  $\mu\text{m}$ , per square millimeter.

1           12. (Withdrawn) A method of fabricating a magnetic head supporting structure  
2 comprising:  
3           a step for reducing inclusions having largest dimension between 0.5  $\mu\text{m}$  and 2  $\mu\text{m}$  and  
4 having hardness of 4 or higher on Mohs' Scale.

1           13. (Withdrawn) A method of fabricating a magnetic head supporting structure

2 comprising:

3           reducing inclusions having largest dimension between 0.5  $\mu\text{m}$  and 2  $\mu\text{m}$ ; and

4           inducing plastic deformation in one or more regions of the magnetic head supporting

5 structure.

1           14. (Withdrawn) The method of claim 13 wherein reducing inclusions includes

2 remelting a solid volume of metal.

1           15. (Withdrawn) The method of claim 13 wherein said inclusions are reduced to a

2 point where fewer than 40 inclusions having hardness 4 or higher on Mohs' Scale and having

3 largest dimension between 0.5  $\mu\text{m}$  and 2  $\mu\text{m}$  are present per square millimeter of the surface of

4 the magnetic head supporting structure in at least one of said regions.

1           16. (Withdrawn) The method of claim 14 wherein the remelting is accomplished in

2 the presence of a slag comprising a non-metal oxide.

1           17. (Withdrawn) The method of claim 14 wherein the remelting is accomplished in

2 an evacuated atmosphere.

1           18. (Withdrawn) The method of claim 16 wherein the non-metal oxide comprises

2 calcium biflouride.

1           19. (Withdrawn) A method to manufacture a swage mount for a magnetic recording

2 head support structure, comprising:

3           remelting stainless steel to reduce inclusions,

4       rolling the stainless steel to an initial thickness between 0.1 mm to 0.5 mm,  
5       stamping and forming the rolled stainless steel into the shape of a swage mount, and  
6       heat treating the resulting part.

1       20. (Withdrawn) The method of claim 19 wherein the heat treating includes  
2       annealing.

1       21. (Withdrawn) The method of claim 19 wherein the remelting is electroslag  
2       remelting.

1       22. (Withdrawn) The method of claim 19 wherein the remelting is accomplished in  
2       an evacuated atmosphere.

23. (Withdrawn) The method of claim 19 wherein said inclusions are reduced to a point where fewer than 40 inclusions having hardness 4 or higher on Mohs' Scale and having largest dimension between 0.5  $\mu\text{m}$  and 2  $\mu\text{m}$  are present per square millimeter of the surface of the swage mount.

24. (Withdrawn) The method of claim 21 wherein the remelting is accomplished in the presence of a non-metal oxide.

1       25. (Withdrawn) The method of claim 23 wherein the non-metal oxide comprises  
2       calcium biflouride.